

WHAT IS CLAIMED IS:

1. A fixing apparatus fixing a component to an object, comprising:
a plurality of arms supported on one end with the other end free and
capable of changing a range of enclosure so as to grasp the object;
a base member supporting said plurality of arms; and
5 an arm driving member changing a position relative to said base
member, and pressing said plurality of arms with its edge to change the
range of enclosure by said arms.
2. The fixing apparatus according to claim 1, wherein
said base member and said arm driving member are tubular
members, a male screw thread is cut on an outer circumference of said base
member, a female screw thread is cut on an inner circumference of said arm
5 driving member, and said arm driving member is screwed to said base
member.
3. The fixing apparatus according to claim 1, further comprising a
connection member connecting ends of said plurality of arms, wherein
said base member supports said arms together with said connection
member.
4. The fixing apparatus according to claim 3, wherein
said connection member is provided at one end of said base member,
said arms are arranged outwardly from said one end, and said arm driving
member comes in contact with said arms in a position on a side outer than
5 the connection member position at said one end of said base member while it
is fixed to said object.
5. The fixing apparatus according to claim 3, wherein
said connection member is provided as the rotation pin provided in
said base member, and two arc-like arms facing to each other are pivotably
attached to said rotation pin at each one end, so as to grasp a pipe along the

5 outer circumference.

6. The fixing apparatus according to claim 5, wherein
opposing two cut portions are provided in end portions on sides
where said arms are located, of said tubular base member, ends of said
rotation pin are fixed to opposing tube ends except for the cut portions, and
5 said arm is arranged so as to face said cut portion.